

# Calvin Nguyen

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## EDUCATION

### SAN JOSE STATE UNIVERSITY

#### B.S. IN SOFTWARE ENGINEERING

Dec 2020 <> San Jose, CA

Dean's Scholar

GPA: 3.6 / 4.0

## LINKS

Github:// [calvinqc](#)

LinkedIn:// [calvinqc](#)

Medium:// [@calvinqc](#)

Dev.to:// [calvinqc](#)

Website:// [calvinqc.com](#)

## SKILLS

### Languages:

JavaScript • Go • Java • Python • Swift  
C/C++ • C# • Typescript • PHP

### Back-end:

Node.js/ Express.js • Mocha/Chai  
Redis • Firebase • Kafka  
MongoDB • MySQL • PostgreSQL

### Front-end:

HTML5/CSS3 • React/Redux  
WebRTC • Cordova

### Cloud:

Docker • nginx  
ECS • EC2 • ECR  
Compute Engine • Storage

## COURSEWORK

Artificial Intelligence  
Computer Networks  
Computer Architecture  
Data Structures + Algorithms  
Database Management System  
Object Oriented Programming  
Operating Systems  
Web Server Programming

## ACHIEVEMENTS

- **Top Writer** of **TheStartup**
- **PayPal** Emoji Hack **Winner**
- **500+** followers on **Dev.to**
- **2,000+** reads/month on **Medium**
- **85%** articles are curated in **JavaScript**.

## EXPERIENCE

### IMI HEALTH <> FULL-STACK ENGINEERING INTERN

Sep 2019 - Aug 2020 | Remotely

- Launched web dashboard in **2 months**.
- Developed Node.js clusters to handle **1000+ OCR tasks concurrently**.
- Built real-time messaging among services with Socket.io and Redis Pub/Sub.
- Reduced **45% cost** of deploying front-end dashboard on Google Cloud.
- Coded an upload feature in Go & Cloud Function to reduce traffic to the server.

### PAYPAL INC. <> SOFTWARE ENGINEERING INTERN

May 2019 - Aug 2019 | San Jose, CA

- Completed an **R&D** that pioneer a communication with mPOS devices.
- Helped to bring **4+** new products to PPH's inventory.
- Provided PayPal's SMBs more selections that suit their business needs.
- Automated tests for mPOS devices on iOS and Android, resulted in **2x faster**.

May 2018 - Aug 2018 | San Jose, CA

- Implemented events app that collect PayPal's first internal cryptocurrency.
- Deployed iOS & Android app using Cordova, HTML/CSS/JavaScript/ Mustache.
- Intensive back-end development using Kraken.js, PostgreSQL.
- Boosted **35%** more employees engaged with campus activities in 2018.

### UC BERKELEY <> CS 61B LAB ASSISTANT

Aug 2016 - May 2017 | Berkeley, CA

- Provided explanations & constructive feedback to **20+ students' code /session**.
- **80% of students**, who I helped, got full grades in homework, projects, and labs.

## LEADERSHIP

### CS SPARTAN <> CO-FOUNDER

Sep 2018 - Present | San Jose, CA

- Co-founded *the biggest SJSU tech community* to connect CS & SE students with other clubs and helpful resources in the Tech world. (**500+ students**).
- Collaborated with organizations to promote their activities and events.
- Helped other clubs recruit **40+ members/semester**.
- Trained a group of community leaders to post great contents for students.

### DEGREE INSIGHT <> PROJECT MANAGER & BACKEND LEAD

January 2019 - May 2020 | San Jose, CA

- Led a team of 4 to plan and develop educational platform for students.
- Bootstrapped a degree plan for students to meet graduation requirements.
- Fastened on-boarding process by scanning transcripts using Cloud Vision.

## PROJECTS

**Trivin** : Trivin comes with different blueprints to help developers jump start full-stack app with **1 command-line**.

**ngMigration-Assistant**: Upgraded scanning feature to help avoid unnecessary checks using Node-TypeScript-parser. Scanned result in **15% more accurate**.

**BearMaps** : Programmed the back-end of a mapping app of Berkeley that supported finding shortest paths, quadtree recursive image rastering, & auto-complete search.